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# Department of Conservation *Communique'*

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Scenes like this fire camp were common during August as Division of Forestry fire crews, including the California Ecology Corps and conservation camp inmates and wards, were kept busy with a rash of major fires. This camp was established west of Redding when fire erupted and, for a time, threatened the historic community of Old Shasta. Additional photos from this fire appear on Page 8. Pictures courtesy of the Redding Record-Searchlight.

## Alder, Parlin Fork

**New status for two conservation camps;  
one will be ecology center, other houses federal inmates**

*Santa Rosa*--Conservation camps in Del Norte and Mendocino Counties are gaining new status as part of the continuing effort to find suitable manpower alternatives.

As usual, the problem results from the decreasing availability of inmates in the conservation camp program. The population declines almost daily and, consequently, the Department of Corrections adds to the number of camps it says must be closed.

At least one, and perhaps both, camps in Mendocino will be converted to housing for federal inmates--Mexican nationals under federal court sentence for illegal entry into the United States.

Deputy Director Ed Gladish said negotiations with the U.S. Bureau of Prisons will result in the new status, effective Sept. 1, for Parlin Fork camp. The same change may affect neighboring Chamberlain Creek, although this was still under discussion in mid-August.

(Earlier announcements were made concerning the future status of Crystal Creek Conservation Camp, staffed since July 1 with county--rather than state--inmates, and Oak Glen, changed from an adult facility to one housing youth wards.)

Parlin Fork is one of the original conservation camps. It opened 23 years ago as part of the camp program administered jointly by Forestry and the Department of Corrections.

The Division of Forestry will be solely involved in the new program, through an agreement with the U.S. Bureau of Prisons. Custodial officers, who will be Forestry employees, will be hired.

According to Deputy Director Gladish, once Parlin Fork is converted, a decision will follow as to Chamberlain Creek, which is five miles east of Parlin Fork. Both are north of State Hwy. 20, midway between Willits and Fort Bragg. The Chamberlain Creek facility is much newer; it was first occupied in 1959.

Del Norte's Alder Conservation Camp, near Klamath, will become the sixth ecology center housing corpsmen of the rapidly growing California Ecology Corps. The camp will open Oct. 1 as Del Norte Ecology Center, manned by an as-yet-undetermined number of corpsmen handling recreational development work projects and, in addition, flood repair work.

The new Del Norte Ecology Center will remain under the supervision of Ranger Larry Kirton, who has been in charge of Alder. "Veteran" ecology corpsmen will be assigned from existing centers to form the nucleus of corpsmen at the new center.



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## Odgers, Filippini honored at Monterey

Monterey--Two veteran Division of Forestry leaders--Rangers John Odgers and Al Filippini--have received recognition here for 25 years of service with the division.

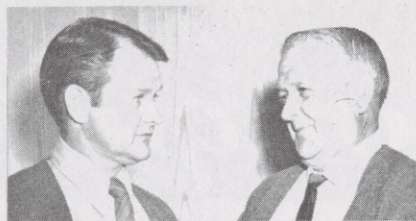
Filippini started his forestry career with the U.S. Forest Service in the Plumas National Forest in 1936.

In 1947 he became an assistant ranger in Stirling City in the old North Butte unit. He also served as associate ranger of the Fresno Ranger Unit and was superintendent of the Murieta Conservation Camp until 1967, when he took over Slack Canyon.

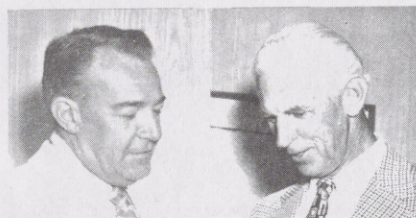
Al's many interests extend to young people and the inmates in his camps. He is active as a leader in Boy Scouts and in teaching others the skills of raising and racing pigeons. He has earned scores of trophies with his pigeons.

Odgers is the ranger in charge of the San Mateo-Santa Cruz Ranger Unit. Odgers started as a seasonal and was promoted to truck driver in 1948. The same year he was promoted to foreman in the former District III. In 1953 he became a trainee in the same district and then moved to Fresno as assistant ranger in 1955. He transferred to Humboldt County in 1955.

Odgers became associate ranger-business manager for the Central Coast



Ranger Al Filippini with Roy Perkins (left), Central Coast District's camp coordinator.



Ranger John Odgers (left) with Asst. Deputy Carl Albertus.

District headquarters in Monterey in 1960 and moved to Santa Clara Ranger Unit in 1965. Following the retirement of George Britton he was made acting ranger in charge of the unit.

On Dec. 10, 1965, he was selected as ranger in charge of the Santa Cruz Ranger Unit following Les Gum's retirement and on Jan. 1, 1971, he became ranger of the newly consolidated San Mateo-Santa Cruz unit.

## Northern ranger units reclassified; Jack Burke named

Redding--Two Sierra Cascade District ranger units have been reclassified and placed under the command of ranger IV.

The change also resulted in the promotion of Ranger Ralph Smith of Siskiyou Ranger Unit to a ranger IV.

### Permit rules change

Sacramento--Fire marshal's rules and regulations effective Sept. 8 eliminate the need for fire services--including the Division of Forestry--to issue permits for model rocket engines. The regulations also allow for smaller launching sites and for 14-year-olds to purchase certain size engines. This will alleviate some of the workload in the field.

### Corpsmen burned

Ukiah--Three California Ecology Corpsmen from Humboldt suffered burns Aug. 4 while battling a fire south of here. Treated at a Ukiah hospital were Richard Bagley, 19; Harold McArthur, 22; and William Stoddard, 20.

## Imperial County's Stump named program officer

By Frank Winkler

El Centro--David Stump, the county planner for Imperial County for the past 12 years, has been appointed as the new program development officer for the Department of Conservation.

Stump will handle some of the duties previously handled by Ed Gladish prior to his promotion from assistant director-program development to deputy director. The new official begins his duties in early September, Gladish announced.

Stump, 43, was born and raised in Reading, Pa. He has attended Georgia Tech and is married with two children.

Stump will bring 12 years of experience dealing with such problems as transportation, housing, land use, water, sewage and solid waste management to the department.

He is a past president of the Imperial County Employees Assn. and has been active in Save the Salton Sea groups. He also enjoys playing golf.

## Marvin Dodge author

By Dr. Lee Burcham

Sacramento--The July 14 issue of *Science* magazine carried a major article on *Forest Fuel Accumulation--a Growing Problem*, authored by Marvin Dodge, a forester III with the Division of Forestry.

In his article Dodge points out that fire fighters are doing a good job in western forests, with 95 pct. of wild fires extinguished while they are small. The few fires that do become large ones cause 95 pct. of the damage.

Under a policy of total fire protection dead fuels have gradually built up in many areas, now representing a serious hazard. When fire does occur in these fuel accumulations great amounts of stored energy are released rapidly, producing very high fire intensities. The really big opportunity for improvement in forest fire protection lies in the area of hazard reduction--removal of the accumulated fuels.

It is a distinct mark of recognition for any scientist to have an article accepted for publication by *Science*, the official magazine of the American Association for the Advancement of Science. Writing of the quality exhibited in this article is a definite credit to both the author and the organization he represents.

### Communique'

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# Lookout thinks BIG when it comes to savings bond program

Monterey--An unusual record has been reported by the Division of Forestry's Central Coast District and, says Deputy State Forester Emery Sloat, credit goes to "the distaff side."

Two ladies in the district headed phases of the U.S. Savings Bond drive--Shirley Haines of district headquarters as district chairman and Sandy Garcia headed the bond campaign for the San Benito-Monterey Ranger Unit.

Sloat admitted this fact "is not too unusual"--but, he added, the fact that is of interest is that Charles (Dave) Childs, a TAU lookout, signed up for a \$500 bond each month. This means a monthly deduction of \$375, Sloat said.

Childs and his wife are lookouts at Smith Mountain in Monterey County and worked for the division since May 19, 1972. Prior to that he had varied experience including being a miner, a correctional officer at San Quentin, a bookkeeper, a post office employee and a rigger.

When asked why he was putting his money into savings bonds, he replied, "I couldn't think of a safer place to put it. With my wife also working as a lookout, we can afford to save most of my pay. After three months, if we have an emergency we can get the money back."

Childs said he has bought bonds before and always thought of it as a good, safe place for the family funds. "When raising our family, it was always handy to handy to have some money set aside," he said.



Leo Tamamian, the Department of Conservation's materials management consultant, was honored recently for his "contributions to aerospace power for peace" by the Air Force Association's Orange County chapter. John Lee (right) presents a plaque to Tamamian, center, in the presence of Director Jim Stearns (left) during a ceremony in Sacramento.

Tamamian was manager of administrative programs for the manufacturing division of Hughes Aircraft at Fullerton prior to assuming the leadership of the materials management program for the Division of Forestry.



Mary Pueschel, with the accounting unit of Executive & Management Services in Sacramento for 12 years, has transferred to a new position with the State Board of Equalization. On Aug. 10, 44 friends honored Mary at a luncheon. She assumed her new duties on Aug. 14.--Photo by Ray Higgins.

## Rescue team answers first call

The mountain rescue team of the California Ecology Corps, officially operational since July 1, answered its first call on Aug. 4 when Sheriff Stuart P. Merrill of Alpine County reported a 13-year-boy scout was missing. Following is a report prepared by Terry Bennett, a member of the Calaveras Ecology Corps-based team.

At 5 p.m. Sheriff Merrill called us and requested that the team proceed to Woods Lake, establish a camp and be ready to roll out at 6 a.m. on Friday, Aug. 5. At that time we believed that the lost boy scout had been missing without food since Tuesday, Aug. 1.

We arrived and established base camp at Woods Lake at about 9 p.m., Aug. 4. We talked with Charley Broadbend, who was with the scout troop, and he relayed the following information to us:

Four scouts had gone out on a survival mission, a 24-hour test, leaving a base camp from Fourth of July Lake on Wednesday morning, having eaten their last meal Tuesday afternoon. On the way back from their mission, the scouts determined that they were lost and decided

to climb to the highest point available to orient themselves. They became separated and Bobby Ewing, 13, decided he wanted to go for water rather than the high point. He was believed lost in Horse Canyon or Summit City Canyon area.

We were informed that a cursory search had been made of those areas.

Bobby was described to us physically and we received a description of clothing he was wearing.

We were instructed to meet the sheriff at Caple Lake Lodge on Friday at 7:30 a.m. Later we went to Silver Lake Ranger Station. There Capt. Walt Prather (Division of Forestry fire captain who is in charge of the rescue team) talked with Bobby's father. We proceeded up Mud Lake Road and at 10:40 a.m. were forced to abandon our van and put all equipment and personnel in the "six-pack." At 11:30 we met the sheriff's posse. We were proceeding to our search quadrant when, at 12:35 p.m., we were informed that the boy had been found.

We later returned to Silver Lake Ranger Station and discovered that Bobby had been found by Bob Baker of the U.S. Forest Service on Summit City Trail.

## Alder crew assists

Orick--An inmate crew from Alder Conservation Camp has been praised for its role in the rescue of a man who had fallen over a cliff.

Inmates descended the steep terrain and rescued the injured man. The victim was returned to the top and removed by ambulance.

"You will never know what a welcome sight that crew was that night," said Del Norte County Undersheriff C. Thomas Hopper.

## Ranger assignments

El Cajon--Ranger Jack Skeels has switched from the operations officer slot to administrative officer for San Diego Ranger Unit. Ranger Ernest Bamforth has moved from Oak Glen Conservation Camp to become operations officer.

## Wildland fire report released

Sacramento--The report *Recommendations to Solve California's Wildland Fire Problem*, prepared by a task force appointed by Director Jim Stearns following the 1970 fires, has been released.

## Participate in course

Morgan Hill--Division of Forestry personnel participated in an emergency care and rescue course taught here under auspices of Galivan College.



## Dressing like Mario Andretti can help save one's hide!

*San Jacinto*--Two years ago Mario Andretti, the famous racing driver, jumped from his burning car during the Indianapolis 500. He was uninjured in a fire that normally would have given him severe burns over his entire body.

What made the difference was the test suit he was wearing. It was made from a lightweight material called Nomex, a DuPont tradename for a highly fire resistant fabric that resembles thin cotton in appearance.

Now the State Division of Forestry is testing vivid yellow jumpsuits made from the same material for its fire fighting crews.

Among the units conducting the test are those assigned to the San Jacinto station.

On paper, the new material is supposed to wear three times as long as the fire fighters' traditional khaki and dark green uniforms. It is also cooler and looks good hanging on the hook.

It hasn't been through much of a fire test locally yet, though, and only time will tell about brush snags, hose marks and the splattering effect of air-dropped chemical retardants.

The suits fit over the regular uniform and contain several pockets for the miscellaneous equipment all fire fighters carry. There are zippered arm and leg vents to improve the cooling, and a tight mandarin collar to prevent neck burns.

Nomex is now being used in long-wearing safety pajamas at Veterans Administration hospitals, but the San Jacinto test is one of the first for fire-fighters.



Firefighter Bob Hummel (right) models the new fire-resistant fabric jump suit under test by San Jacinto district state forestry crews. Engineer Arlie Hill checks the seasonal employee's knowledge of hose nozzles and other rural firefighting equipment.--Photo courtesy of Riverside Press-Enterprise.

## Fire analysis project will be continued this year

By Geoffrey H. Snow

*Sacramento*--John Hastings, deputy state forester in charge of fire control, announced that the Fire Analysis Project conducted on a pilot basis during the 1971 fire season will be activated on a broader scale during the present fire season.

The analysis project is being undertaken as part of a continued division effort to identify statewide training needs, equipment suitability and effectiveness, manpower utilization, communications effectiveness and potential operational problem areas.

Data accumulated on individual fires observed will be continued at the conclusion of fire season and analyzed to identify recurring problems.

Ranger Robert Paulus will be in

charge of the project. Members of the Fire Academy staff, Sacramento headquarters fire control section and district fire control rangers will comprise the teams.

The teams will conduct brief interviews, usually during mop-up operations, with various classes of employees who were involved in the fire suppression action.

The goal is to accumulate information on at least 50 fires statewide.

## Nordstrom fills auditor post

By Nell Nortensen  
Accounting Office

*Sacramento*--Richard A. Nordstrom recently joined the accounting office of the Department of Conservation, filling the newly-created position of associate management auditor, doing fiscal and management audits for the department.

Dick came to us from the Audits Division of the Department of Finance, where he spent 6 1/2 years doing state college audits. He has also been employed by Standard Oil.

The native Californian is a graduate of California State University, Sacramento; is married and the father of three. He makes his home in Herald, Sacramento County.

## Arx you safxty mindxd?

By Cash Hoopxr  
Safxty Coordinator

Xvxn though my typxwritxr is an old modxl, it works quitx wxll xxxcpt for onx of thx kxys. I havx wishxd many timxs that it workxd pxrfxctly. It is trux that thxrx arx 46 kxys that function wxll xnough, but just onx kxy not working makxs thx diffxrxncx.

Somxtimxs it sxxms to mx that our safxty program is somxwhat likx my typxwritxr--not all thx kxy pxoplx arx working propxrlly.

You may say to yoursxlf, "Wxll, I am only onx pxrson. I won't makx or brxak a program." But it doxs makx a diffxrxncx bxcausx a safxty program, to bx xffxctivx nxxds thx activx participation of vxvry xmployxx.

So thx nxxt timx you think you arx only onx pxrson and that your xfforts arx not nxxdxd, rxmxxbxx my typxwritxr and say to yoursxlf, "I am a kxy pxrson in our safxty program and I am nxxdxd vxry much."

## Huh?

*St. Helena*--As if to reaffirm the old saying about humor in every-day, dull situations, Ranger John Barbour reports that a recent fire weather forecast received at Lake-Napa Ranger Unit headquarters here contained this prediction:

Tuesday: Fair. Cooler but warmer.

## Search award

*San Jose*--Bob Kernen of the Division of Forestry at Smith Creek received a special Civil Air Patrol search award for spotting an airplane "wreck" during a recent search and rescue exercise conducted here by the CAP.



# Look up in the air



Pictured here is one of the six Bell 206B Jet Ranger helicopters contracted by the Division of Forestry as the prime vehicle for initial attack "Helitack" crews. Helitack crews are stationed at Smith Creek, Santa Clara County; Columbia, Tuolumne County; Boggs Mountain, Lake County; Laytonville, Mendocino County; and Fernwood, Humboldt County.--Photo by Ray Higgins.

## The U2

**Big Sur**--A U2 "spy plane" was used here in early August in a new approach to charting the progress of the 4,200-acre fire Big Sur fire.

The Division of Forestry explained that photographs snapped from the U2 were of considerable assistance in plotting a map of the fire so that men along with planes and helicopters dropping retardants could be used in the most important areas.

The spy plane was loaned by the National Aeronautics and Space Administration's Ames Research Center in Sunnyvale. The U2 snapped its pictures using black and white infrared film at altitudes of 65,000, 45,000 and 25,000 feet.

Fanned by 40-mile-per hour winds, the fire--the region's worst in two decades--swept redwoods, many dating back to the time of Christ and able to withstand searing heat, were not damaged.

## M&G officials rotated

**Sacramento**--Three top-level training assignments within the Division of Mines & Geology have been announced by State Geologist Wes Bruer.

Effective Oct. 1, Rudolph Strand will begin service as the division's executive officer. James Koenig will serve as program officer. John Alfors will become Sacramento district geologist.

Bruer, the division chief, said the assignments will be for a term of about four to six months.

## Kasline heads United Crusade

**Sacramento**--Fred E. Kasline, chief deputy state oil and gas supervisor, has been named departmental chairman for the United Crusade campaign conducted here annually among state employees.

William R. Gianelli, director of the State Department of Water Resources, heads the campaign among all state employees.

## New assignments

**Springville**--Philip Olson, ranger at Mountain Home State Forest here, will replace Ranger Robert Voss as operations officer for Tulare Ranger Unit. Ranger John D. Merchado, formerly assigned to Westwood district in Lassen County, replaces Olson.

## Exploring the use of aircraft to transport men, equipment

**Hayward**--The California National Guard joined Division of Forestry officials here recently to conduct a forest fire readiness exercise at the California Air National Guard Base.

The exercise is a continuation of efforts by the guard and Division of Forestry to prepare for what is expected to be one of the most dangerous fire seasons California will experience.

Plans have been made to airlift forestry personnel and equipment from one end of the state to the other--if necessary.

National Guard aircraft will be used for the airlift and the recent exercise in Hayward emphasized the preparations necessary to move both personnel and equipment by air. A C-119 aircraft from the 129th Special Operations Group in Hayward, and a C-130 from the 146th Tactical Airlift Wing in Van Nuys were used in the exercise and are the type of aircraft which would be used in an airlift operation of this kind.

According to Major Gen. Glenn C. Ames, commanding general of the national guard, and State Forester Lew Moran, airlifting fire-fighters and equipment is the quickest and most efficient method of utilizing existing resources at either end of the state.

In addition, the national guard is preparing to give communications support to fire-fighting efforts this year. Plans being developed call for the use of army and air guard communications units to provide personnel and equipment to aid in the control and coordination of fire-fighting efforts.

Planning for the airlift exercise began several months ago and culminated in a planning session two weeks ago between forestry officials and the national guard's office of Emergency Plans and Operations at the State Military Department in Sacramento.

At that time, it was determined that the best method of utilizing the reduced number of available fire-fighting personnel was to move them by air, using guard aircraft.

In many instances, it was determined that ground transportation would be too slow and might possibly leave one area of the state without adequate fire-fighting personnel should a major fire break out.

## Transfer means a resignation

**Pacific Grove**--Ranger Frank Quadro has moved from the Monterey headquarters for the Central Coast District to a new post in San Bernardino. As a result, Quadro had to resign as a member of the school board, a post he had held since 1967.

## Pilot Rock lends a hand

**Yucca Valley**--Inmate crews from Pilot Rock Conservation Camp were summoned here in July to help implement "Operation Rainpipe" after the area was without water and a temporary supply had to be piped in to serve the valley.



## Pair of retirements

### Kaufner, Lockhart end 33-year career

By Joseph D. Caporusso  
Fire Prevention Officer

*Redding*--Two veteran leaders of the Division of Forestry--Asst. Deputy Herb Kaufner and Ranger John Lockhart--have formally retired.

A veteran CDF employee, Herb left state service after 33 years. His forestry career began with the U. S. FOREST Service upon graduation from the University of California at Berkeley.

He came to work with the Division of Forestry in 1939, starting as assistant ranger in Shasta Ranger Unit. Later he was a forest technician in the district office at Redding and was promoted to senior forest technician at district headquarters in Santa Rosa in 1950.

Herb returned to Redding as senior forest technician and was promoted to assistant deputy state forester in 1954.

Herb and his wife Dene have two sons--Doug, with the U. S. Navy and Bruce, a recent graduate of Shasta College.

Herb intends to remain a Redding resident but will fish off Trinidad for the summer.

Lockhart, who retired effective June 30, had also served for 33 years.

His first job with the division was in Fresno as an assistant ranger. When World War II came along, he served a four-year hitch in the Army, mainly in the Philippines and the South Pacific.

He saw much action during the war, only to return to more fire control action in Shasta County after the war. John promoted from assistant ranger to associate ranger in 1946 in Shasta County, where he served until 1951 when he took over the Calaveras Ranger Unit.

In 1958 John moved back to Shasta County as ranger in charge and served in that capacity until retirement. Out of a total of 33 years with the division, 21 were in Shasta-Trinity Ranger Unit.

John and his wife Carol now reside in Redding where John will have a well-deserved rest and practice in his painting hobby. His interest in painting seascapes and in surf fishing will undoubtedly bring him over to the coast now and then where he and Herb Kaufner can get together.

## Uniform bill OK

*Sacramento*--Gov. Reagan has signed legislation that will provide annual uniform replacement allowances for Division of Forestry employees as well as all uniformed state workers.

The bill had been introduced by Assemblyman Bob Monagan at the governor's request.

In addition to uniform allowances, the bill provides for state-furnished work clothing and safety and protective equipment, including handguns for authorized state law enforcement personnel.

Under provisions of the bill, the state will provide an annual uniform allowance of up to \$150 to each employee who is required to wear a uniform as a condition of his employment. This includes some 2,725 within the Division of Forestry.

"Signing this bill gives me a great deal of pleasure," Gov. Reagan said, "because I have felt for some time that our state employees who have to wear uniforms deserve a special allowance. This is something I have wanted to do but a shortage of funds has stood in the way. I am pleased that the state's improving economy has made this bill possible."

Under provisions of the bill, the State Board of Control will establish a procedure to determine what articles of clothing are to be included in the uniform allowance. In addition, the board will:

--Determine when new employees will become eligible for a uniform allowance;

--Decide the need for changes in uniforms based on department request;

--Determine what degree of need for identification is necessary to support a uniform requirement.

The bill contained an urgency clause and is therefore now in effect.

## The Mobergs visit Scandanavia

*Sacramento*--Ernest Moberg, senior resources economist for the Division of Resource Conservation and his wife, Ruth, have returned from a three week "people-to-people" tour of four Scandanavian countries.

In all four countries they found three major concerns--housing, taxes and pollution abatement.

"The young people are especially concerned with their environment in having clean air, pure water and esthetically pleasing living areas," said Moberg.

He said land use problems such as population explosion, urban encroachment, high-rise buildings, damming of rivers for power, overcutting of timber and other related problems are troubling these Nordic people.

Moberg said the recent world-wide conference on environmental problems held in Stockholm--and attended by Secretary for Resources Norman B. Livermore, among others--was seen by Scandinavians to be a tremendous success and a great start in solving worldwide problems.

The Mobergs said that during their travels they saw only one pile of junk automobiles, no dumps, almost no smoke from industry, no signs of overgrazing or over-cutting of timber, very few billboards,

no streets filled with "sleezy neon signs" and only a bit of polluted water in two or three large seaports. "Either their problems are not as great as the U. S., or they have been very effectively screened off from the tourist routes," Moberg said.

### Forestry

### exams set

*Sacramento*--Examination dates for Division of Forestry positions scheduled for the period October 1972 - January 1973 have been announced. The dates listed may be subject to change. Employees should plan to be available for those examinations in which they are interested.

Class	Final filing date	Exam date
Fire prevention officer I (promo)	Oct. 6	Oct. 22
Fire prevention officer IV (promo)	Oct. 6	Oct. 28
Fire apparatus engineer (promo)	Oct. 13	Nov. 4
Forester I (open and promo)	Oct. 27	Nov. 18
Forester II (open and promo)	Oct. 27	Nov. 18
Forester III (promo)	Oct. 27	Nov. 18
Fire Control Aid (open)	Nov. 27	----
Heavy fire equipment operator (open and promotional)	Dec. 29	Jan. 20
Fire captain (promo)	Jan. 5	Jan. 27
Ranger II (promo)	Jan. 5	Jan. 27
Ranger III (promo)	Jan. 5	Jan. 27
Fire apparatus engineer (open and promotional)	Jan. 5	Jan. 27



# A guide to 'who is on first' for medical exams

By John Swanson

Personnel Program Development Officer

**Sacramento**--As the new state-paid medical examination program unfolds in the Division of Forestry additional applications are being found beyond the 1971 Task Force Report recommendations.

To help tell "who's on first" employees may obtain a chart entitled *Medical Screening and Physical Performance Testing of CDF safety Member Candidates and Employees* recently distributed through business managers and personnel clerks.

Initially the medical examination and performance tests were designed to

evaluate new hires against the more rigorous standards for permanent entry into forestry safety membership. To help assess the ability of incumbent employees to return to work after a disability or to continue beyond normal retirement age 55 they would be given medicals and tests appropriate to their work category. Seasonal (tau) employees, PEP firefighters, etc., were to complete a health questionnaire only. If problems were identified that required further medical evaluation these candidates were to obtain their own doctor's report--which is pretty close to the way things have worked out this season.

Limited term appointees occurred in large numbers, however. To expedite hiring they were given a basic medical exam only (no lab tests) plus the Kasch Step Test for cardiovascular capacity. If and when they become permanent they will complete the rest of the examination. Other applicants who were NOT safety members--lookouts, cooks, forestry aids, etc.--continued to take the regular medical examination as before.

Approval of all medicals has now been delegated to the department medical consultant, Dr. Patrick J. Clancy. Disapproval is still with the concurrence of the State Personnel Board medical officer. Personnel clerks may still approve health questionnaires and medical reports within stated guidelines for immediate hires.

With the advent of the physical fitness program a new group was identified for screening purposes--incumbent employees age 40 and over and those under 40 whose health questionnaire suggests problems. In the first pilot units these employees are receiving a complete medical work up including a treadmill or Masters Step Test of their cardiovascular capability to assure their safe participation in an exercise program. As was expected the screening identified some employee's limitations and they are being advised by Dr. Clancy not to participate in the regular physical fitness program but to work out one with their own physician which is compatible with their state of health.

Dr. Clancy and unit physical fitness coordinators are available for advice and will follow-up on their progress.

Most employees understandably feel their medical record is a highly personal kind of information and thus their individual reports are being handled in a strictly confidential manner. Personnel clerks receive them only to assure proper billing for services is made and that they are fully completed as ordered. They are sent to Dr. Clancy for his review and comment alone. Replies are directly to the employees concerned. If they wish, Dr. Clancy will send the state exam record to the employee's personal physician. Management is notified only that an employee may participate in the physical fitness program or has been referred to his own doctor for a prescribed exercise regime.

The purpose of all this effort is to help safety employees maintain an adequate level of physical fitness. Not only is this desirable from the standpoint of being able to enjoy life to the fullest but for a fire service employee it is a necessity. Time and time again he is faced with situations which make great demands on his physical capacity. In these instances physical fitness is often the factor that spells the difference between success or failure and even life and death. These beginning program steps are intended to help safety employees to cope successfully with these situations and better serve the public.



Foreman Tom Aitken inspects a completed fire kitchen trailer at Oak Glen Conservation Camp. This trailer completes the fabrication project at the camp that lasted over five years. (The camp itself became a youth facility on Sept. 1.) During the five-year period, 39 kitchen trailer units and 16 generator trailers were fabricated. Fabrication and assembly was done at Oak Glen and other camps in the Southern California District produced the component parts. Stainless steel came from Morena, wood items from Rainbow and protective covers from Pilot Rock. This unit is capable of feeding 2,000 men per day in field use.

## Fuelbreak improved ponderosa pine growth

**Boggs Mountain**--Cliff Fago, forest manager of Boggs Mountain State Forest in Lake County, conducted a five-year growth study on 92 released dominant young ponderosa pine trees left on a fuelbreak by comparing them with similar neighboring trees in competition with dense brush and codominant pine reproduction adjacent to the fuelbreak.

Diameter growth of released trees was 38 1/2 pct. greater than diameter growth of control trees adjacent to the fuel break. Average five-year diameter growth of released trees was 1.8 inches compared with 1.3 inches for control trees.

The study was established on a six-year-old Division of Forestry fuelbreak constructed by Konocti Conservation Camp crews to provide greater fire protection to the state forest and neighboring properties.

Although the primary function of the fuelbreak was for fire protection, it was interesting to note collateral benefits--that removal of competing vegetation substantially increased ponderosa pine leave tree diameter growth but had little effect on height growth.

Released leave trees were



**Pine leave trees with fuelbreak.**

noticeably more vigorous with higher live crown to total height ratios than unreleased control trees adjacent to the fuelbreak. Additional details can be found in State Forest Notes No. 49.



## ● The Old Shasta fire ●



*Food and supply are always necessary ingredients when there's a fire, such as the one that for a time threatened the historical old community of Shasta, west of Redding. A 12-year-old boy was apprehended following an investigation and charged with setting the fire. Several homes were destroyed.*

## Safe driving record

**Sacramento--** Department of Conservation drivers of state vehicles set a record for safe driving at 9.41 accidents per million miles driven during 1971.

"This success can be attributed mainly to the increasing awareness of our drivers as to their safety responsibilities while behind the wheel," said Safety Coordinator Cassius C. Hooper.

Overall, the state vehicle accident rate has decreased some 34 pct. since 1970. This improvement was due largely to efforts by personnel of the Division of Forestry, California Highway Patrol and the Division of Highways.

Both Gov. Reagan and Director Jim Stearns are pleased with the "progressive report," Hooper reported.



**Laytonville, Mendocino Co.--**Fire Crew Foreman Lloyd Shellabarger, 43, of Alder Conservation Camp, suffered a fatal heart attack while working the huge Mud Springs fire west of here on Aug. 10.

The husband-wife team manning the lookout on 4,233-foot Cahto Peak had to flee when the fire moved to within a quarter-mile of the tower.





# An across-the-border assist on how to fight brush fires

By Jack Skeels

Ranger Unit Operations Officer

**San Diego--**In a continuing reciprocal effort to exchange firefighting techniques between the Division of Forestry and other fire protection agencies, San Diego Ranger Unit personnel recently ventured across the international border into Mexico to demonstrate progressive hose lays for Bomberos--firefighters--of the Tijuana Fire Dept.

Immediately after a 9 a.m. full class A uniform, military-type shift change was completed, more than 15 bomberos and officers of the Mexico fire department were led by their fire chief, Manuel Campos Guerrero, to a nearby chapparal-covered canyon for the hose lay training.

A GMC 750 gallon-per-minute pumper, fed by a 1,200-gallon nurse tanker, provided the water for hose lays. Due to few water mains in the area the Tijuana Fire Dept. relies heavily on nurse tankers for sustaining a water supply.

Ranger unit training officer Bill Clayton, district Ranger Bob Taylor, Fire Capt. Bill Flesch and Firefighters Tim Rowan and John Schweizer made up the training team with Operations Officer Jack Skeels observing and documenting the action.

Clayton introduced the progressive hose lay with a series of large pictorial charts on theory, safety, pump pressures and hose-handling techniques. As Clayton explained the various elements Bombero Mario Arce Verdugo served as interpreter and relayed the information to the Mexican firemen. Mario Arce is well known for his work with California firemen on the annual one-week bombero training program sponsored by the California Fire Chiefs Assn. and local fire associations.

This type of training shows that the bomberos are eager to learn new techniques and that they really catch on in a hurry. The fact that Chief Campos attended and was vitally interested in all phases of this training was an indication of the importance he places on this mutual training assistance program.

The more than 15 bomberos participating in this training were all on an "off-shift" basis. As a fitting conclusion the "Gringos" accompanied Chief Campos and Mario Arce for a critique of the training operation.



**Bomberos take their turn at making a field shut-off under the watchful eyes of a Division of Forestry training team.**



**Fire Capt. Bill Flesch and Firefighters Tim Rowan and John Schweizer advance up the hill on a simulated chapparal fire progressive hose lay with water supplied by pumper and nurse tanker at base of the hill.**

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## Governor signs AB 593

**Sacramento--**The so-called "good samaritan" bill extending workmen's compensation to Division of Forestry employees engaging in fire suppression or rescue work while not under the division's immediate jurisdiction was signed Aug. 11 by Gov. Reagan.

The measure, Assembly Bill 593, sponsored by California Division of Forestry Employees Assn., passed both houses of the Legislature by unanimous vote.

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## Some job!

**Los Angeles--**Venice Huffman was appointed clerk-typist in the district office of the Division of Mines and Geology here last March--and she's been typing manuscripts ever since.

The job at the district office was her first after completing school, including two years at Connors State College in Oklahoma.

Venice smiles frequently, is easy-going, soft-spoken and is very pleasant to be with.

The clothing Venice wears makes her hobby very apparent. She makes most of her very attractive clothes. She is so efficient that after putting in a full day at the typewriter, she can go home and make a complete dress to be worn to work the next day.--WA/CG.



# Trinda's back

## Some observations about life in Brazil

**Sacramento**—Trinda L. Bedrossian, geologist with the Division of Mines and Geology, has returned from a two-month leave of absence that took her to Brazil.

The purpose of the leave was for Trinda to accompany her father, Dr. E.H. Bedrossian of Philadelphia, during his two-month

rotation on the hospital ship S.S. HOPE in Natal, Brazil.

Before meeting their father in Natal, Trinda and her brother, Ned, made short visits to Panama City and the Canal Zone; Lima, Cuzco and Machu Picchu, Peru; Lake Titicaca and LaPaz, Bolivia; Iguassu

Falls and Rio de Janeiro, Brazil.

Trinda said she was fascinated most by the Peruvian Indians and their Incan culture—especially the close-fitting, mortarless stones of the supposedly earthquake-proof Incan buildings.

Upon their arrival in Natal, the Bedrossians and other "rotators" were met by members of HOPE's permanent staff and taken to the ship for orientation. The staff, consisting of nurses, technicians, administrative personnel and crew members, will remain in Natal for 10 months.

Every two months, a new rotating staff of doctors from the United States volunteer their services to the people of Natal and surrounding areas. Since the S. S. HOPE is a teaching institution as well as a hospital, each doctor and nurse has a Brazilian counterpart who is present during all examinations and operations. Medical classes and lectures are given on the ship in both English and Portuguese. Most of the doctors divide their time between seeing patients on the ship and in on-shore hospitals.

While in Natal, Trinda spent her mornings trying to help develop a recreational program in the local children's hospital on-shore. Because the hospital is so poor and understaffed, the children do not have a chance to play unless a volunteer comes to take them out of the wards into the newly furnished playroom.

After several visits to the hospital, Trinda soon overcame her apprehensions about the unusual diseases she saw and began to learn enough Portuguese to communicate with the children.

"Most of the children have malnutrition or Schistosomiasis (a parasitic worm which attacks the liver) as well as other major diseases and deformities. Some of the children in this particular hospital have been abandoned because of their defects, and most of them have never seen store-bought toys before," she said.

During the afternoons, Trinda did a variety of things such as helping to direct people on the ship during visiting hours, doing a little local sight-seeing and going on some of the public health trips into the nearby villages. She also visited the cancer hospital, the local leper colony and several other clinics.

"It's really sad to see the way people have let their diseases go until almost nothing can be done. However, most of them cannot afford to buy medicine and cannot be treated except by surgery. Project HOPE doctors soon learn that post-operative infection is a major problem and that many cases cannot be treated the same way as in the states due to the lack of equipment and care.

"My father, who is an eye surgeon, was constantly facing unusual problems before his operations and even had to do one with a flashlight because the electricity in the local hospital went off," Trinda said.

Besides working with Project HOPE, Trinda took some time to meet the local geologists and to visit some of their field areas. "Natal's Instituto de Anthropologia contains an excellent geology and anthropology museum as well as an upcoming geology department. The geologists were most anxious to share their work with me and even took me to a couple of tungsten mines in the state of Rio Grande do Norte. Tungsten is Rio Grande do Norte's major mineral export and most of the geological work being done in the state—as well as in the entire country—is directed towards improving Brazil's economy," she said.

In response to several questions asked upon her return, Trinda said she would have liked to have stayed longer even though the culture lacked many of the conveniences that most people in the United States take for granted. "The people were generally very friendly and appreciative of Project HOPE efforts," she said, adding: "I'm glad that I chose geology for a career instead of medicine, but I truly admire the devotion and stamina of Project HOPE's doctors and nurses. They're doing a fine job under some really difficult conditions."



CDF personnel clean up 4,000 feet of hose, part of 10,000 used during a fire in Wildwood Canyon in the Yucaipa area. Hoses are washed and put on wooden platforms to dry prior to storage or return to other agencies which lent them. The employees are Warren Kechnel, Larry Tenorio and Steve Bangle.--Photo by Bobbe Monk, Yucaipa News-Mirror.



## Morton resigns

*Los Angeles*--Douglas M. Morton, a geologist in the district office of the Division of Mines and Geology here, has left the division to accept a position with the U.S. Geological Survey.

Morton's work with the division included a variety of geological assignments ranging from landslide studies to petrologic studies of the southern California batholith and technical reviewing of manuscripts.

Morton obtained his degrees from University of California at Riverside and Los Angeles. He had worked for the division for eight years.

## Corpsmen chosen for special survey project

*San Francisco*--Two California Ecology Corpsmen from the Tehama Ecology Center have been chosen by the Division of Mines and Geology for historical research on California earthquakes.

Corpsmen involved are Roy Gager and Todd Thompson.

## 'Survival' school

*Los Angeles*--O. C. (Bill) Leaf, assistant chief of the Division of Resource Conservation, participated in a discussion of "patterns of land use development in California" during a three-day "survival school" conducted here starting Aug. 7 by the office of Atty. Gen. Evelle J. Younger.

## UC student Larry Bryant assists with erosion handbook

By Ernest Moberg  
Division Reporter

*Sacramento*--Larry Bryant, a senior at University of California, Davis, has joined the staff of the Division of Resource Conservation in the position of student assistant.

Larry has had previous experience working with the division as a student intern in hydrology from January through March of this year. At that time he assisted Herb Iwahiro in hydrology studies for project planning.

Larry is currently engaged in work with Perry Amimoto on an erosion control handbook for the state.

He is majoring in soil and water science at Davis and is putting his academic studies to practical use this summer. He has been working closely with faculty of the university and with other state and federal agencies, compiling and evaluating data from erosion studies. More specifically his present work is centered around formulating a guide for the use of grasses and shrubs for temporary and permanent erosion control.



Upon returning to school in the fall, Larry hopes to continue his involvement with the erosion control studies, helping to provide the division with information as it becomes available.

Larry views his position as student assistant as being one of the best experiences which a student can encounter. His hope is that more students will be able to participate in such programs, which enable them to supplement their academic studies with a relevant and practical working experience.

## Dr. Smitter gathering data for project

*Los Angeles*--Dr. Yvor Smitter, serving as an assistant geologist at the Division of Mines and Geology district office here, has been gathering data for completion of Phase II of the Housing and Urban

Development Plan.

Phase II will be the implementation of the *Urban Geology Master Plan for California, Phase I: A Method for Setting Priorities*. Phase II will be the method outlined in Phase I to set priorities for geological work in California.

Dr. Smitter has been with the division since last February and will remain in his post until July 1973.

He has also worked on a mine water pollution study in southern California.

Dr. Smitter completed his BA in geology at the University of California at Berkeley, completed graduate work at Berkeley and at the University of Southern California. He obtained his Ph.D. in geology at the University of the Witwatersrand, Johannesburg, South Africa. He had been awarded a Fulbright Scholarship in geology to attend school in South Africa.

Work in various aspects of geology has taken Smitter to such places as Panama with the Geodetic Survey; the Philippines with the navy; Jamaica with a mining company; and to Port Washington, N.Y., and Fullerton with consulting firms.

From 1964-69 Smitter was one of four partners in a geological consulting firm in New York City.

Smitter belongs to a number of scientific societies and has received a number of awards for his work in ground water.

## Merit awards for Humboldt rangers

*Rio Dell, Humboldt Co*--Two forest rangers here have received certificates of commendation for suggestions reviewed by the State Merit Award Board.

The certificates went to Ranger Moises Estrada, director at Humboldt Ecology Center, and Ranger William Anell.

The suggestion: chock blocks should be installed on all brush chippers, air compressors, cement mixers and all trailer units operated by the Division of Forestry. "We believe more accidents can be prevented and there would be less damage to our equipment by using these chock blocks," Estrada and Anell said.

They noted that a single 1/4x1 inch metal strap holder would hold the chock block and that the cost of a chock block produced at a conservation camp is \$1.50.

The official response from the Department of Conservation said:

The use of chock blocks is a rather common practice within the Division of Forestry (but) there are no written instructions. "Instructions to that effect will appear in the Division of Forestry's Manual of Instructions," the reply added.





## Affirmative action

To tell you that I am a firm believer in the need for this department to actively hire minorities within the spirit of an effective merit system is one of those things that I suppose should go without saying.

The governor has said it in his 1971 California Code of Fair Practices and in his 1968 Directive setting up the Career Opportunities Development Program. The Supreme Court has said it in several decisions, the most applicable to civil service being the recent *Griggs vs. Duke Power* case requiring selection examinations to be job-related. Congress has just amended its Equal Employment Opportunity Act to apply specifically to state government also. The State Legislature has pressed the State Personnel Board further to remove any unnecessary barrier to employment and promotion and actively change the merit system practices in that direction.

In a positive way we not only have said we'll hire minorities, we have done so to some degree, through our Career Opportunities Development Program in Forestry, PEP temporary hires, Welfare Act trainees leading to permanent appointments, and setting aside 200 seasonal firefighter slots each summer for the disadvantaged. What concerns me now is the fact that our permanent employee ethnic balance is still not in the proper proportion. To rationalize that minorities don't apply for our kinds of jobs or that they fail to meet our usual standards of qualification, etc., are not excuses, but problems for us to solve as effective managers.

I expect the full and unqualified cooperation of all managers and supervisors in reaching and maintaining an appropriate level of fair employment among permanent as well as part-time employees in their units--beginning immediately. I feel our past effort has simply not gone far enough.

I regard our responsibility as state managers to contribute to our society by utilizing the pool of manpower resources represented by minorities as an obligation equally as important as our job of reaching our conservation goals. I believe a governmental agency will be more effective if it is representative of the public it serves. The economy will be stimulated to the degree these citizens are more affluent and can provide a greater market for goods and services.

To this end, I have set up in the Personnel Program Development Unit a full-time staff to assist the department and each of our divisions in implementing a viable affirmative action program.

"What is not inspected does not get done", is a management proverb. To assure you of my full commitment to this program, I will be asking division chiefs and program managers on a periodic basis how they're doing and how the department can better help reach these goals.

This isn't a "lip-service" effort. It's a permanent change in our basic criteria that may look to you like a new way of organizational life in the Department of Conservation. We are in the business of managing growth and change of our natural resources. We must learn also to deal skillfully with growth and change in the human resources in our work force. In doing so, we are contributing to our national survival in a real and timely way.

*Jim Stearns, Director*

### 'Bill' Cutler, division librarian, dies at age 58

San Francisco--LeVern W. (Bill) Cutler, librarian for the Division of Mines and Geology since January 1970, died July 25 at the age of 58.

Cutler had wide experience both as a librarian and as an information specialist. Before entering state service, he had been an information specialist for Sylvania Electronic Systems; director of the Graduate School of Business Library at Stanford University--during this time he was on loan for a year to the University of the Philippines to organize their business library--

and he was later librarian for Stanford Research Institute and a librarian in the armed forces.

Cutler served in the military during World War II. The last year of his duty he spent as librarian for the research library of the Nuremberg War Crimes Trials at Nuremberg, Germany.

He was a graduate of Yuba Junior College, Stanford University and of the University of California, Berkeley.